



Mango Agribusiness Research Program

Session 1: Public sector & policy trends

Factors & challenges influencing fruit processing developments

**Queensland Department of Agriculture and Fisheries
Innovative Food Technologies, A/Director Ben Baldwin**

19-20 February 2019

Information
Markets
Biosecurity
Quality



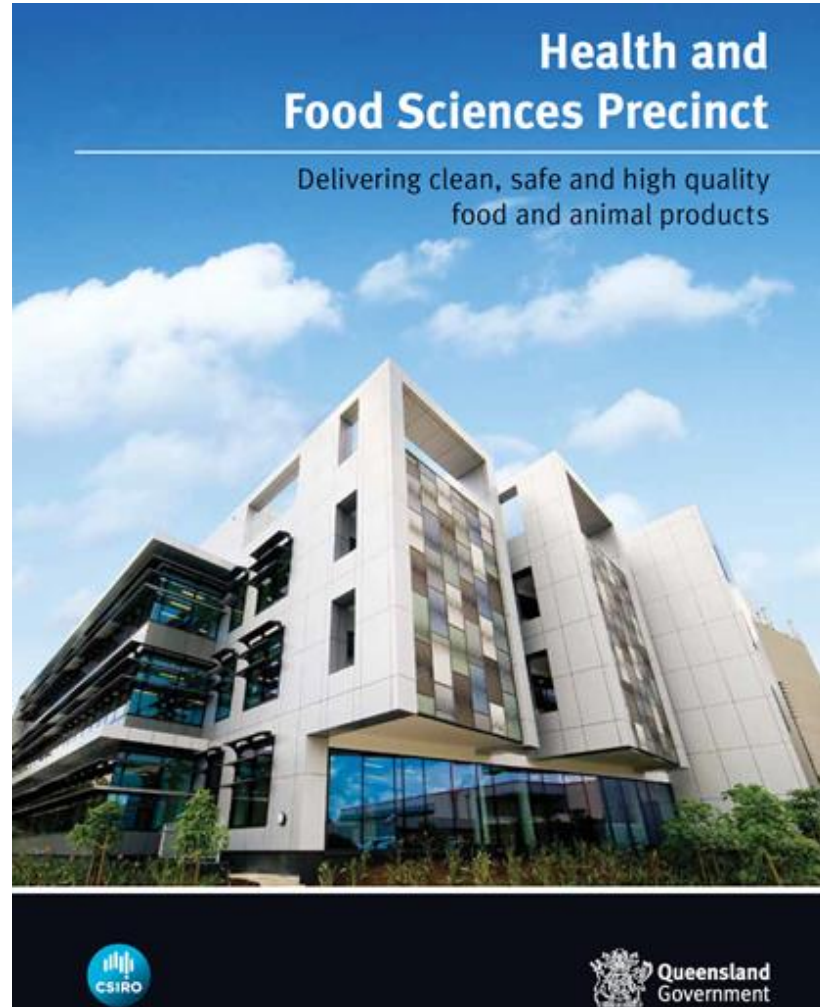
Implementing Agency



Funding Agency



Sector overview



Over 40 Staff across QLD

- Cairns
 - NATA registered Labs
- Toowoomba
 - ISO accredited cereal, testing, milling and baking facilities
- Coopers Plains
 - \$100 Million Health and Food Science Precinct
 - 190 staff covering CSIRO, QDAF and UQ
 - Linked to CSIRO Werribee Pilot Plant

Sector overview cont...

Food Technology

- Product Development & Consumer Intelligence
- Food Microbiology
- NQ Food Tech
- Rapid Assessment Unit (RAU)
- Product Manufacturing & Processing

Post Harvest Quality



Food Analytics



Alternate (Processing) Technologies & Engineering



Grains Quality



Biometry & Bioinformatics

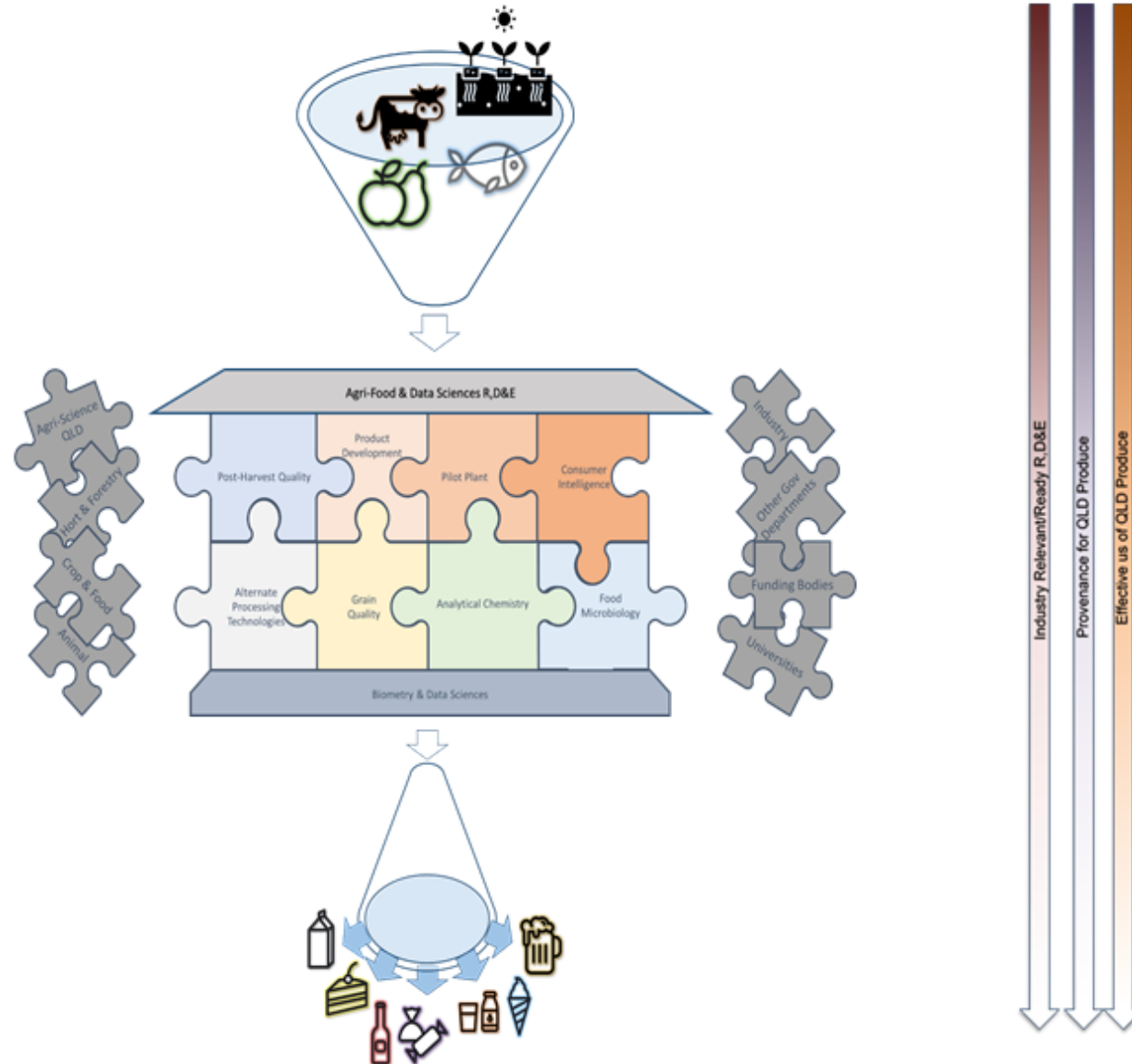
- Applied Statistics
- Statistical Genetics
- High Throughput Phenotyping Methodology
- Bioinformatics



Factors influencing processing

- Why?
- Where to start?
- Who to talk to?
- What to do or know/?
- How to take action?

Post-Farm Gate



Market



Factors influencing processing (cont.)

- Why?**
- Where** to start?
- Who** to talk to?
- What** to do or know/?
- How** to take action?



Pilot Plant



Product Development



Consumer Intelligence



Current challenges

- ▶ Changing consumer preferences
- ▶ Low-cost imports
- ▶ Industry Co-ordination
- ▶ Research Co-ordination

There are areas of opportunities within Australia's food processing industry, when compared to the wider Australian manufacturing sector, it is not following the declining trend.

Growth is likely to occur in areas that focus on producing food products for specific market segments rather than generic commodities.

(Deloitte, <https://www2.deloitte.com/au/en/pages/consumer-industrial-products/articles/two-speed-food-processing-industry.html>)